

REMARKS

The last Office Action has been carefully considered.

It is noted that claims 1, 12 and 13 are rejected under 35 U.S.C. 102(b) over the patent to Shieh '321 or '225.

Claims 2-4, 6-7 are rejected under 35 U.S.C. 103(a) over the patent to Shieh in view of the patent to Herb.

Claims 6 and 7 are rejected under 35 U.S.C. 103(a) over the patent to Shieh in view of the patent to Groves.

Claims 5, 9, 10 are rejected under 35 U.S.C. 103(a) over the patent to Shieh in view of the patent to Mayor.

Claim 8 is rejected under 35 U.S.C. 103(a) over the patent to Shieh in view of the patent to Gehring.

After carefully considering the Examiner's grounds for the rejection of the claims, applicant has amended claim 1, the broadest claim

on file, by defining, in addition to the other features, that the laser diodes are mounted on the electrically insulating substrate, and the electrically insulated substrate has high thermal coefficient.

It is respectfully submitted that these features patentably distinguish the present invention from the prior art. During the interview with the Examiner, the Examiner indicated that a positive consideration would be given to the present invention as defined in the claims, if claim 1 were amended to define the above listed features. With the present Amendment applicant has amended claim 1 as suggested by the Examiners during the interview.

It is therefore respectfully requested to allow claim 1, the broadest claim on file.

Applicant has also canceled claim 8 and submitted a new claim 14 which combines the features of the original claims 1 and 8. It is respectfully submitted that none of the references discloses a concept of a reserve laser diode as defined in claim 14 and also does not disclose poor or defective laser diodes. It is therefore believed that claim 14 should also

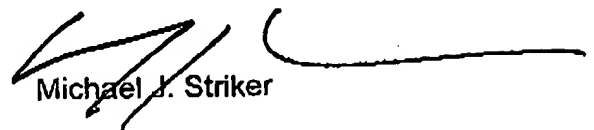
be considered as patentably distinguishing over the art and should be allowed.

As for the dependent claims, these claims depend on the amended claim 1, they share its presumably allowable features, and therefore it is respectfully submitted that they should be allowed as well.

Reconsideration and allowance of the present application is most respectfully requested.

Should the Examiner require or consider it advisable that the specification, claims and/or drawings be further amended or corrected in formal respects in order to place this case in condition for final allowance, then it is respectfully requested that such amendments or corrections be carried out by Examiner's Amendment, and the case be passed to issue. Alternatively, should the Examiner feel that a personal discussion might be helpful in advancing this case to allowance, he is invited to telephone the undersigned (at 631-549-4700).

Respectfully submitted,



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